

Appl. No. 09/702,768

REMARKS/ARGUMENTS

Claim 1 has been amended to address the Examiner's 35 USC 112 objection. Claim 1 now recites "A method of searching for multipath components of a CDMA signal, the method comprising:

defining a plurality of search task periods with reference to a system time during a search period;

for each correlation period of a plurality of correlation periods which are ~~not entirely non-~~contiguous, selecting a ~~corresponding~~ respective search task period that corresponds to the correlation period;

for each correlation period of the plurality of correlation periods, during the respective search task period, during which to determine corresponding correlations, and for each of a plurality of multipath delays within a search window determining a corresponding coherent correlation between a portion of the CDMA signal received during the correlation period and a corresponding portion of a known code offset by the multipath delay;

combining non-coherently the coherent correlations determined for each multipath delay into a search statistic for that multipath delay".

The expression "not entirely contiguous" has been replaced with "non-contiguous". According to Webster's Dictionary the word "non-contiguous" is defined as "not touching along a boundary". As described on page 7 of the specification, "Advantageously, by making the correlation periods separated in time, time diversity is realized such that if one or more of the correlation periods exist while the signal is of poorer quality for example due to a fade, the remaining correlation periods may still yield a meaningful search statistic". Applicant submits that the word "non-contiguous" is supported by the expression "the correlation periods separated in time", as boundaries of the correlation periods are not touching or in contact if they are "separated in time".

Also in claim 1, the Examiner suggests that "during the correlation period" should be

Appl. No. 09/702,768

changed to "during said each of a plurality of correlation periods" to provide a proper antecedent basis. Applicant submits this change is unnecessary in view of the amendment of claim 1 to recite "for each correlation period of a plurality of correlation periods".

Applicant submits that claim 1 is clearly understandable in its amended form. Claim 13 has been amended in a similar fashion. In addition, in claim 13, the expression "the CDMA signal received" has been replaced with "a CDMA signal received".

The expression "corresponding search task period" has been replaced with "respective search task period" in dependent claims 5 and 17-23 and the expression "corresponding portion of the known code" has been replaced with "portion of the known code" in dependent claim 6. The amendments have been made for consistency with amendments made to claims 1 and 13.

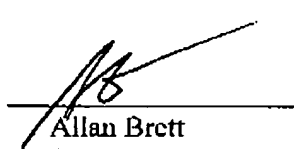
Dependent claims 2, 3, 5-12, 14, 15, and 17-32 are now allowable as these claims are dependent on either amended claim 1 or 13, or intervening claims dependent on claim 1 or 13.

Seeing that the Examiner's objections have been met by amendment, favourable consideration and allowance is respectfully requested.

Respectfully submitted,

XIXIAN CHEN ET AL

By


Allan Brett

Reg. No. 40,476

Tel.: (613) 232-2486

Date: March 1, 2006

RAB:MSS:mcg